

Listing of Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Amended) An implant for occluding a passage in a circulatory system, the implant comprising:

a plurality of thin elongate members each having a first end and a second end;

a first holder to which the first ends of the elongate members are attached;

a second holder to which the second ends of the elongate members are attached, the elongate members being attached to the first and second holders, wherein the elongate members have first portions being arranged between the first holder and the first occluding body, second portions being arranged between the second holder and the second occluding body and third portions being arranged between the first and second occluding body;

a first occluding body being attached to the elongate members;

a second occluding body being attached to the elongate members at a distance to the first occluding body and wherein the distance between the first and the second occluding body is reducible by reducing the distance between the two holders;

said first and second occluding bodies being formed as thin disk-shaped elements separate from said elongate members; and

the implant forming in a first state an elongated article extending along a longitudinal axis, the implant being adapted in the first state for insertion into the circulatory system and the implant being adapted to be brought into a second state in the circulatory system, wherein the distance between the holders ~~is being~~ reducible in a manner ~~that causes to cause~~ the elongate members to execute a twisting motion relative to the axis to yield a plurality of generally radially

extending loops forming ~~at least one~~ two fixation structures, thereby increasing a cross-section of the occluding ~~body~~ bodies, with the third portions of each said elongate member collapsing upon themselves in a spiral manner upon formation of said fixation structures to bring said occluding members into close facial proximity, the fixation structures each extending radially beyond a perimeter of the adjacent occluding body, and at least one of the fixation structures that is being fixable in the second state[[,]].

~~and wherein the implant comprises one second occluding body being attached to the elongate members at a distance to the first occluding body and wherein the distance between the first and the second occluding body is reducible by reducing the distance between the two holders, wherein at least one of the group of the following fixation structures is formed: a first of said fixation structure between the first occluding body and the first holder and a second of said fixation structure between the second occluding body and the second holder; and~~

~~wherein there exists exactly one second occluding body and wherein the elongate members have first portions being arranged between the first holder and the first occluding body, second portions being arranged between the second holder and the second occluding body and third portions being arranged between the first and second occluding body.~~

2. (Previously Presented) The implant according to claim 1, wherein both the first and the second fixation structure are formed in the second state.
3. (Cancelled)
4. (Previously Presented) The implant according to claim 1, wherein the first and second portions of each elongate member have approximately the same length.
5. (Previously Presented) The implant according to claim 1, wherein the first, second and third portions of each elongate member have approximately the same length.

6. (Previously Presented) The implant according to claim 1, wherein the third portions are not twisted like the first and second portions.
7. (Previously Presented) The implant according to claim 1, wherein in the second state the first portions form the first fixation structure the second portions form the second fixation structure.
8. (Previously Presented) The implant according to claim 1, wherein in the second state the third portions form a bended structure with an outer diameter having approximately the same size as the diameter of the cross-section of at least one of the first or second occluding body.
9. (Previously Presented) The implant according to claim 1, wherein in the second state the first and the second occluding body have a cross-section having the same size.
10. (Previously Presented) The implant according to claim 1, wherein the first and the second occluding body are made of a flexible material and each of said first and second occluding body has in the second state an approximately disk-shaped form and in the first state a compressed form.
11. (Previously Presented) The implant of claim 10, wherein the first and the second occluding body have an at least approximately circular shape.
12. (Previously Presented) The implant of claim 1, wherein the first and the second occluding body comprise holes and wherein the elongate members are extending through said holes.
13. (Previously Presented) The implant according to claim 1, wherein all elongate members have the same length.
14. (Withdrawn) The implant according to claim 1, wherein a compressible body is arranged between the first and the at least one second occluding body.
15. (Previously Presented) The implant according to claim 12, wherein the elongate members

comprise thickened portions arranged on both sides of the first occluding body and the second occluding body.

16. (Previously Presented) The implant according to claim 1, wherein the first and second holders comprise a locking mechanism.

17. (Previously Presented) The implant according to claim 1, wherein the elongate members are wires or threads.

18. (Previously Presented) The according to claim 1, wherein the elongate members are only joined together by the first and second holders and by the first and second occluding bodies.

19. (Amended) An implant for occluding a passage in a circulatory system, the implant comprising:

a plurality of thin stiff elongate members each having a first end and a second end, said elongate members separate from one another and capable of independent movement relative to each other between said ends;

a first holder to which the first ends of the elongate members are attached;

a second holder to which the second ends of the elongate members are attached;

a first expansible occluding body being attached to the elongate members at a point between the first and second holders;

a second expansible occluding body being attached to the elongate members at another point between the first and second holders and spaced from the first occluding body;

said first and second occluding bodies being formed as ~~separate~~ thin disk-shaped elements separate from said elongate members;

the implant forming in a first state an elongated article extending along a longitudinal axis with the occluding bodies in an unexpanded condition, the implant being adapted in the first

state for insertion into the circulatory system and the implant being adapted to be brought into a second state in the circulatory system, wherein the second state is achieved by causing the holders to move one toward the other to thereby reduce the distance between the holders in a manner to cause the elongate members to execute a twisting motion relative to the axis to yield a plurality of generally radially extending loops about the axis and forming a first fixation structure adjacent the first occluding body and a second fixation structure adjacent the second occluding body, the loops of the fixation structures increasing a cross-section extending radially beyond a perimeter of the adjacent occluding body, with an intermediate portion of each said elongate member extending between said first and second occluding bodies, said intermediate portions collapsing upon themselves in a spiral manner upon formation of said fixation structures to bring said occluding members into close facial proximity; and

a mechanism which fixes the at least one fixation structure in the second state.

20. (Previously Presented) The implant of claim 19 wherein the first fixation structure is formed between the first occluding body and the first holder and the second fixation structure is formed between the second occluding body and the second holder.

21. (Previously Presented) The implant of claim 20 wherein the elongate members have first portions being arranged between the first holder and the first occluding body, second portions being arranged between the second holder and the second occluding body and third portions being arranged between the first and second occluding body, with the first, second and third portions of the elongate members being respectively located in spaced apart relation by the occluding bodies until forming the fixation structures.

22. (Previously Presented) The implant of claim 21 wherein the third portions arranged between the first and second occluding bodies twist into a compressed shape between the first

and second occluding bodies in the second state, the first portions forming the first fixation structure and the second portions forming the second fixation structure.

23. (Previously Presented) The implant of claim 22 wherein the compressed shape of the third portions is contained within the area of the occluding bodies.